

Exhibit 1

CURRICULUM VITAE

PART I: General Information

DATE PREPARED: January, 2016

NAME: Carol Anastasia Warfield

OFFICE ADDRESS: Beth Israel Deaconess Medical Center
Boston, MA

MAILING ADDRESS: PO Box 222
Prides Crossing, MA 01965

E:MAIL: carol_warfield@caregroup.harvard.edu

FAX: 978-998-4245

Phone: 617-416-1739

PLACE OF BIRTH: Boston, Massachusetts

EDUCATION:

1973 B.A., Jackson College, Medford, MA

1973 B.S.M.E., Tufts College of Engineering, Medford, MA

1976. M.D., Tufts University Medical School, Boston, MA

2001 M.A. (HON) Harvard University, Cambridge, MA

POST DOCTORAL TRAINING:

1976-1977 Intern in Medicine and Surgery, Newton Wellesley Hospital, Newton, MA

1977-1978 Resident in Anesthesia, Massachusetts General Hospital, Boston, MA

1978-1979 Resident in Anesthesia, Beth Israel Hospital, Boston, MA

1979-1980 Fellow in Anesthesia, Beth Israel Hospital, Boston, MA

LICENSURE AND CERTIFICATION:

1977 Diplomate of National Board of Medical Education

1980 Massachusetts Medical License #42045

1981 Diplomat of American Board of Anesthesiology

1990 BLS-ACLS Certification

1993 Fellow of the American Board of Pain Medicine
1993 Diplomate of American Board of Anesthesiology
Added Qualifications in Pain Management

ACADEMIC APPOINTMENTS:

1977-1980 Clinical Fellow in Anaesthesia, Harvard Medical School
1979-1980 Adjunct Assistant Professor of Mechanical Engineering, Tufts University
1980-1986 Instructor in Anaesthesia, Harvard Medical School
1986-1994 Assistant Professor of Anaesthesia, Harvard Medical School
1994-2000 Associate Professor of Anaesthesia, Harvard Medical School
2000-2011 Edward Lowenstein Professor of Anaesthesia, Harvard Medical School
2011- Edward Lowenstein Distinguished Professor of Anaesthesia, Harvard Medical School

HOSPITAL APPOINTMENTS:

1980-1985 Assistant Anesthetist, Beth Israel Hospital, Boston, MA
1980-1996 Director, Pain Management Center, Beth Israel Hospital, Boston, MA
1985-1996 Associate Anesthetist, Beth Israel Hospital, Boston, MA
1992-2000 Chief, Division of Pain Medicine, Beth Israel Hospital, Boston, MA
1992- Consultant in Anesthesia, Children's Hospital, Boston, MA
1980-1996 Anesthetist, Beth Israel Hospital, Boston, MA
1997-2000 Director, Pain Management Center, Beth Israel Deaconess Medical Center, Boston, MA
1997-2000 Chief, Division of Pain Medicine, Beth Israel Deaconess Medical Center, Boston, MA
1997-2000 Vice Chairman for Academic Affairs, Department of Anesthesia, Beth Israel Deaconess Medical Center
2000-2007 Chairman, Department of Anesthesia, Critical Care and Pain Medicine, Beth Israel Deaconess Medical Center
1997- Anesthetist and Pain Management Physician, Beth Israel Deaconess Medical Center, Boston, MA

OTHER PROFESSIONAL POSITIONS & MAJOR VISITING APPOINTMENTS:

1984-1986 Consultant, American Medical Association, Drug Evaluation Board
1989-1991 Consultant to FDA Center for Drug Evaluation and Research
1989-1992 Massachusetts Cancer Pain Initiative
1992 U.S. Agency for Health Care Policy and Research Peer Reviewer
1993- Board of Trustees, The Anesthesia Foundation
1997- ACGME Site Visitor
2007- Prehealth Advisor, Massachusetts Institute of Technology

2008- Vice-President, The Anesthesia Foundation; 2009, *Chairman, Wellness Task Force*
2011- Co-Director, International Conference on Opioids

PRINCIPAL CLINICAL AND HOSPITAL SERVICE RESPONSIBILITIES:

1980-2000 Director, Pain Management Center, Beth Israel Hospital, Boston, MA
1980- Attending Physician, Department of Anesthesia, Beth Israel Hospital, Boston, MA
1993-2000 Chief, Division of Pain Medicine, Department of Anesthesia, Beth Israel Hospital, Boston, MA
1997-2000 Vice Chairman for Academic Affairs, Department of Anesthesia, Beth Israel Deaconess Medical Center, Boston, MA
2000-2007 Anesthetist-in-Chief, Beth Israel Deaconess Medical Center

MAJOR ADMINISTRATIVE RESPONSIBILITIES:

1980-2000 Director, Pain Management Center, Beth Israel Hospital, Boston, MA
1982-2000 Director, Pain Management Residency and Fellowship Clinical Training Program
1985- Director, HMS Pain Medicine Course
1992-2000 Chief, Division of Pain Medicine, Beth Israel Hospital, Boston, MA
1993- Board of Trustees, The Anesthesia Foundation
2008- Vice President, The Anesthesia Foundation
1997-2000 Vice Chairman for Academic Affairs, Department of Anesthesia, Beth Israel Deaconess Medical Center
2000. Sexual Harassment Officer, Department of Anesthesia, Beth Israel Deaconess Medical Center
2002. Chairman, Department of Anesthesia & Critical Care, Beth Israel Deaconess Medical Center
2002-2007 Chairman, Department of Anesthesia, Critical Care and Pain Medicine Beth Israel Deaconess Medical Center

MAJOR COMMITTEE ASSIGNMENTS: (N.B. Other than those in professional societies)

National:

1987-1992 National Food and Drug Administration, Anesthetic and Life Support Drugs Advisory Committee
1992-2000 Advisory Board, Network for Continuing Medical Education
1992-2000 American Board of Anesthesiology Committee on Pain Management Board Examination

Regional:

1993-2000 Education Committee, Massachusetts Cancer Pain Initiative

Medical School:

1985- Director, Harvard Medical School Course "Principles and Practice of Pain Medicine"

1992- Administrator, Committee for Women's Affairs, Basic Science Research Training Grant for Anesthetists, Harvard Anesthesia Center

1993-1996 Ether Anniversary Committee, Harvard Medical School

1994-2000 Chairman, Subcommittee on Continuing Education of Anesthesia Executive Committee, Harvard Medical School

1997- Continuing Medical Education Committee, Harvard Medical School

2000-2007 Anesthesia Executive Committee, Harvard Medical School

2000-2007 Secretary, Board of Directors, Center for Medical Simulation

2006-2007 Member, Search Committee for MGH Anesthesia Chief

2006- Member, Joint Committee on the Status of Women

2007- Chair, Ad-Hoc Committee on Women's Mentoring Pilot

2008- Member, The Milton Committee on Research, Harvard Medical School

2010- Member, Committee on Dean's Award

2010- 2012 Chair, JCSW Committee on Mentoring

2014- Alice Hamilton Fellow, Harvard Medical School Dean's Council

Hospital:

1981-1984 Pharmacy Committee, Beth Israel Hospital

1984-1990 Anesthesia Residency Selection Committee, Beth Israel Hospital

1988-1990 Anesthesia Executive Committee, Beth Israel Hospital

1988-1990 Anesthesia Peer Review Committee, Beth Israel Hospital

1988-1990 Anesthesia Education Committee, Beth Israel Hospital

1988-2007 Anesthesia Quality Assurance Committee, Beth Israel Hospital

1988-1992 Research Operations Committee, Beth Israel Hospital

1992-2000 Cancer Committee, Beth Israel Hospital

1995-2000 Physicians Advisory Committee

1996-2000 Merger Task Force Committee, Department of Anesthesia, Beth Israel Deaconess Medical Center

1996-2007 Curriculum Committee, Department of Anesthesia, Beth Israel Deaconess Medical Center

1997-2000 Palliative Care Committee, Beth Israel Deaconess Medical Center

1997-2000 Cancer Center Committee, Beth Israel Deaconess Medical Center

1998-2007 Academic Committee, Department of Anesthesia, Beth Israel Deaconess

Medical Center
 1999. Search Committee for Chief of Surgery, Beth Israel Deaconess Medical Center
 2000. Medical Executive Committee, Beth Israel Deaconess Medical Center
 2000-2007 Patient Care and Quality Assessment Committee, Beth Israel Deaconess Medical Center
 2000-2007 Academic Council, Beth Israel Deaconess Medical Center
 2000-2007 Chief's Council, Beth Israel Deaconess Medical Center
 2000- Department of Anesthesia Continuing Medical Education Committee
 2000 Search Committee for Chief of Cardiothoracic Surgery, Beth Israel Deaconess Medical Center
 2004 Search Committee for Chief of Pathology, Beth Israel Deaconess Medical Center
 2007-2009 Member, Faculty Development Committee
 2008- Member, Committee on Women's Careers
 2008-2009 Chair, Subcommittee on the History of Women, BIDMC Committee on Women's Affairs
 2012- Member, Committee on Women's Careers

PROFESSIONAL SOCIETY INVOLVEMENT:

International

1982. International Association for the Study of Pain
Education Committee 1995 -
 1992- International Spinal Injection Society
 1995- International Anesthesia Research Society
 2009- Health Volunteers Overseas
 2012- World Institute of Pain
 2015- Warfield Scholarship Committee, Health Volunteers Overseas

National

1979- American Society of Anesthesiologists; *Committee on Pain Therapy 1985-96; Committee on Communications 1985-93; Chairperson and Coordinator, Workshop on Pain Management 1990; Chairman, Subcommittee on Cancer Pain 1992-93; Committee on Pain Practice Parameters 1992-93; Alternate Delegate 1992-93; Committee on Economics 1993-95; Committee on Overseas Anesthesia 2007-; Wellness Committee 2007-; Committee on Occupational Health 2008-; Committee on Global Humanitarian Outreach, 2008-; Reviewer of Pain Guidelines, 2009; Chairman, Subcommittee on the Anesthesia Wellness Loan Program*
 1982- American Pain Society; *Co-Director, Professional Practices Division 1993-94*

- 1983- American Society of Regional Anesthesia; *Committee on Standards* 1989-91;
Pain Therapy Committee 1993-97; *Committee for the Annual Meeting*
1994-95; *Annual Meeting Program Chair* 1996-97; *Public Relations*
Steering Committee 1996; *Board of Directors* 1997-; *Education*
Committee 1997-; *Program Committee* 1997-
- 1986- American Academy of Algology, (American Academy of
Pain Medicine); *Board of Directors* 1993-96; *Course Director, Annual*
Review Course 1993-94
- 1993- Elected to Association of University Anesthesiologists; *Annual Meeting*
Chairman 1995-96
- 1996- Elected to Academy of Anesthesiology
Program Co-Director 2010-
- 2014- American Board of Pain Medicine, Committee on Maintenance of
Certification

Regional

- 1979- Massachusetts Society of Anesthesiologists; *Committee on*
Public Education and Public Policy 1986-; *Chairman* 1988-1997;
Executive Board 1988-97
- 1985- New England Pain Association; *Treasurer* 1985-1990;
President 1989-1990; *Board of Directors* 1990-; *Nominations Committee*
1992, 1997

COMMUNITY SERVICE RELATED TO PROFESSIONAL WORK:

- 1986 Developed long-standing Anesthesia Exhibit at the Boston Museum of
Science for Education of the Public
- 1986 Organized Education Booth regarding anesthesia, Big E State Fair,
Springfield, MA
- 1986 Developed physician network to work with local media on medical
related topics
- 1990- Volunteer Lecturer, Friends of Beth Israel Hospital
Volunteer Demonstrations of Anesthesia Equipment, Boston Museum of
Science Volunteer Weekly
Medical Reporter, New England Cable News
- 1993- Volunteer Lecturer, Beth Israel Circle of Friends
- 1994- Volunteer Lecturer to various Massachusetts Public School Science Classes
- 1996- Volunteer Presenter, Girl Scouts of America
- 1997-1997 Testimony to State of Massachusetts, House of Representatives Committee
on Pain Management
- 2007- PreMedical Advisor, Massachusetts Institute of Technology

| | |
|-------|---|
| 2010 | Volunteered in Ethiopia setting up anesthesia curriculum for Addis Ababa University |
| 2010- | Director of Health Volunteers Overseas Anesthesia Training Program in Ethiopia |
| 2010- | Fulbright Specialist |
| 2015- | Director of Health Volunteers Overseas Anesthesia Training Program in Rwanda |

EDITORIAL BOARDS:

| | |
|-----------|---|
| 1982-1990 | Series Editor, Hospital Practice |
| 1982-1984 | Reviewer, International Journal of Clinical and Experimental Hypnosis |
| 1985-1992 | Reviewer, Clinical Journal of Pain |
| 1991- | Reviewer, Journal of Clinical Anesthesia |
| 1991-1996 | Consulting Editor, Regional Anesthesia |
| 1992- | Editorial Board, Clinical Journal of Pain |
| 1992- | Book Reviewer, Journal of Pain and Symptom Management |
| 1993- | Reviewer, New England Journal of Medicine |
| 1994- | Editor, Pain Medicine Journal Club Journal |
| 1995- | Reviewer, Anesthesiology |
| 1995 | Editorial Board, Pain Medicine |
| 1996- | Associate Editor, Regional Anesthesia |
| 1996- | Book Reviewer, Anesthesiology |
| 2008 | Reviewer, Harvard Medical School Online CME |
| 2008- | Editorial Board, Journal of Opioid Management |

AWARDS & HONORS:

| | |
|------|--|
| 1973 | First Woman Elected to Tau Beta Pi National Engineering Honor Society, Tufts University |
| 1996 | Achievement Hall of Fame, Matignon High School |
| 1997 | Massachusetts Health Data Consortium Award for Research |
| 2001 | Honorary Master of Arts Degree, Harvard University |
| 2001 | First Woman to receive an endowed professorship at Harvard Medical School and Beth Israel Deaconess Medical Center |
| 2007 | Elected to Best Doctors in America |
| 2011 | Elected to Best Doctors in America |
| 2012 | Elected to Best Doctors in America |
| 2013 | Elected to Best Doctors in America |
| 2014 | Elected to Best Doctors in America |

BIBLIOGRAPHY

Original Articles:

1. Warfield CA, Stein JM, & Frank H. The effect of transcutaneous electrical nerve stimulation in post thoracotomy pain. *Ann. Thorac Surg* 1985; 39(5):462-465.
2. Lewinnek G & Warfield CA. The response of low back pain to facet joint injections. *Clin Orthopedics* 1986; 213:216-222.
3. Warfield CA & Crews DA. Epidural steroid injection as a predictor of surgical outcome. *Surg Gyn & Obstet* 1987; 164:457-458.
4. Warfield CA & Crews DA. Work status and response to epidural steroid injection. *J Occup Med* 1987; 20(4):315-316.
5. Warfield CA, Biber M, Crews DA & Dwarakanath GK. Epidural steroid injection as a treatment for cervical radiculitis. *Clin J Pain* 1988; 4(4):204-210.
6. Warfield CA. Evaluation of Dosing Guidelines for the Use of Oral Controlled Release Morphine. *Cancer* 1989; 63(11):2360-2364.
7. Bentkover J, Sheshinski R, Hedley-Whyte J, Warfield CA , & Mosteller F. Laminectomies, Spinal Fusions, Demographics and Socioeconomics. *International Journal of Technology Assessment* 1992; 8:(2):309-317.
8. Milamed D, Warfield CA, Hedley-Whyte J, & Mosteller F. Laminectomy and Treatment of Lower Back Pain in Massachusetts. *International Journal of Technology Assessment* 1993; 9(3):426-439.
9. Warfield CA & Kahn CH. Acute Pain Management, Programs in US Hospitals and Experiences and Attitudes Among US Adults. *Anesthesiology* 1995; 83:1090-94.
10. Richeimer S, Bajwa Z, Kahramen S, Ransil B, Warfield CA. Utilization patterns of tricyclic antidepressants in a multidisciplinary pain center. *Clinical Journal of Pain* 1997; 13:4, 324-9.
11. Horlocker TT, Bajwa ZH, Ashrof Z, Khan S, Wilson JL, Sami N. Peeters C, Powers CA, Schroeder DR, Decker & Warfield CA. Risk assessment of hemorrhagic complications associated with nonsteroidal antiinflammatory medications in ambulatory pain clinic patients undergoing epidural steroid injections. *Anesth Analg* 95:1691-1697, 2002.

12. Bajwa, Simopoulos, Pal, Draemer, Chopra, Nagda, Najib, Celestin, Sial, Ahmad, Warfield, Steinman, Wootton: Low and Therapeutic Doses of Antidepressants Are Associated with Similar Response in the Context of Multimodal Treatment of Pain. *Pain Physician*. 12, 2009, 893-900

13. Emily A. Blood, PhD, Nicole J. Ullrich, MD, PhD, Dina R. Hirshfeld-Becker, MD, Ellen W. Seely, MD, Maureen T. Connelly, MD, MPH, Carol A. Warfield, MD, S. Jean Emans, MD. Academic women faculty: Are they finding the mentoring they need? *Journal of Women's Health*, Volume 21, No 11, 2012.

Reviews, Chapters and Editorials:

(Book Chapters)

1. Warfield CA. The Pathophysiology of Pain and its Treatment. In: Goldfrank L, editor. *Pain*. New York: Excerpta Medica; 1990.
2. Lewis M, Hill CS, Warfield CA. Medical Diseases Causing Pain. In: Raj P, editor. *Practical Management of Pain*. St Louis: Yearbook Medical Publishers; 1991.
3. Aberle K, Warfield CA. Basics of Contemporary Pain Management. In: Liu P, editor, *Principles & Procedures in Anesthesiology*. Philadelphia: Lippincott; 1992. p 363-378.
4. Blank J, Kahn C, Warfield CA. Trans-sacral nerve root block. In: Hahn M, McQuillan P, editors. *Color Atlas of Anatomy for Regional Anesthesia Techniques*. St Louis: Mosby-Yearbook; 1995. p. 279-284.
5. Kahn C, Blank J, Warfield CA. Lumbar Somatic Nerve Root Block. In: Hahn M, McQuillan P, editors. *Color Atlas of Anatomy for Regional Anesthesia Techniques*. St Louis: Mosby-Yearbook 1995, p. 285-294.
6. Bajwa Z, Rozan J, Warfield CA. Myofascial Pain. In: Samuels M, Feske S, editors. *Office Practice of Neurology*. Churchill Livingstone; 1995.
7. DeSio J, Kahn C, Warfield CA. Benign Clinical Pain Syndromes. In: Brown D, editor. *Textbook of Regional Anesthesia*. Orlando: Saunders; 1996. p. 684-708.
8. Pappas J, Kahn C, Warfield CA. Facet Block and Neurolysis. In: Waldman S, Winnie A, editors. *Interventional Pain Management*. Orlando: Saunders; 1996.
9. Pappas J, Kahn C, Warfield CA. Cervical Plexus Block. In: Waldman S, Winnie A, editors. *Interventional Pain Management*. Orlando: Saunders; 1996.

10. Hacobian A, Warfield CA. Management of Acute Pain. In: Guide to Pain Management. Springhouse, PA: Springhouse; 1996.
11. Canning M, Bajwa Z, Warfield CA. Spinal Administration of Drugs for Pain Relief. In: Kanner R, editor. Pain Management Secrets. Hanley & Belfus; 1997.
12. Droun N, Bajwa Z, Warfield CA. Cancer Pain. In: Katz R, editor. Pain - Basic and Clinical Considerations: Seminars in Anesthesia. 1997. Vol. 16, No.2 (June).
13. Mahaney G, Peeters-Asdourian C, Warfield CA. Cancer Pain Management. In: Miller R, editor. Atlas of Clinical Anesthesiology; Vol. 5, 1998
14. Pappas J, Warfield CA. Facet Block and Neurolysis. In: Waldman S, Winnie A, editors. Interventional Pain Management. Orlando: Saunders; 2nd edition, 2001.
15. Gray D, Warfield CA. Cervical Plexus Block. In: Waldman S, Winnie A, editors. Interventional Pain Management. Orlando: Saunders; 2nd edition, 2001.
16. Sottile A, Cox K, Warfield CA. Postoperative Pain Management in HIV disease. In Pain Management in HIV/ AIDS. Nedeljkovic S, editor. Butterworth, Heimemann, Boston, 2002.
17. Sottile A, Cox K, Warfield CA: Pain in AIDS in Manual of Pain Management. Warfield CA, & Faucett H, editor, Lippincott, Philadelphia, 2002
18. Warfield CA. Complications of Regional Anesthesia. In Raj P. editor. Textbook of Regional Anesthesia. Harcourt. NY 2002.
19. Tran M, Warfield CA. Opioids in Textbook of Clinical Pain Management. Arnold Publ. London, 2003.
20. Bajwa Z & Warfield CA. Myofascial Pain. In: Office Practice of Neurology, 2nd Ed. Churchill-Livingstone, 2003.
21. Bajwa Z & Warfield C. Myofascial Pain. In: Samuels M, Feske S, eds. Office Practice of Neurology. Churchill-Livingston, 2003.
22. Sial K, Simopoulos T, Bajwa Z, Warfield C. Cervical Facet Syndrome. In: Pain Management, 2nd edition, Waldman S, editor. Elsevier. Philadelphia, 2004.
23. Nguyen S, Akhouri V, Warfield C. Ilioinguinal – iliohypogastric nerve block. In: Pain Management, 2nd edition, Waldman S, editor, Elsevier, Philadelphia, 2004.

24. Akhouri V, Warfield C. Ilioinguinal – iliohypogastric nerve block. In: Pain Management, 3rd edition, Waldman S, editor, Elsevier, Philadelphia, 2011.
25. Sial K, Simopoulos T, Bajwa Z, Warfield C. Cervical Facet Syndrome. In: Pain Management, 3rd edition, Waldman S, editor. Elsevier. Philadelphia, 2011
26. Pappas J and Warfield CA. Cervical Plexus Block. In Pain Management, 3rd edition, Waldman S, editor. Elsevier. Philadelphia, 2011.
27. Pappas J, Warfield CA. Facet Block and Neurolysis. In: Waldman S, Winnie A, editors. Interventional Pain Management. Orlando: Saunders; 3rd edition, 2011.
28. Cohen RI, Warfield CA: Muscle Relaxants as Useful Adjuvant Medications. AAPM Textbook of Pain Medicine, in press.

(Review Articles - Hospital Practice Series)

1. Stein JM, Warfield CA. Phantom limb pain. Hosp Pract 1982; 17(2):166-171.
2. Warfield CA, Stein JM. Chronic pain: Contributory factors. Hosp Pract 1982; 17(4):49-56.
3. Stein JM, Warfield CA. Pain in pancreatic disease. Hosp Pract 1982; 17(5):197-207.
4. Warfield CA, Stein JM. The use of systemic analgesics. Hosp Pract 1982; 17(7):88a-88o.
5. Stein JM, Warfield CA. Herpes zoster and post-herpetic neuralgia. Hosp Pract 1982; 17(9):96a-96o.
6. Warfield CA, Stein JM. Low back pain. Hosp Pract 1982; 17(11):50a-50o.
7. Stein JM, Warfield CA. Two entrapment neuropathies. Hosp Pract 1983; 18(1):100a-100p.
8. Warfield CA, Stein JM. Pain relief by electrical stimulation. Hosp Pract 1983; 18(3):207-218.
9. Stein JM, Warfield CA. Local anesthetics. Hosp Pract 1983; 18(5):73-78.

10. Warfield CA, Stein JM. The nutritional treatment of pain. Hosp Pract 1983; 18(7):100n-100p.
11. Warfield CA, Tracey J. Management of cancer pain. Hosp Pract 1983; 18(11):137-144AA.
12. Kazes JA, Warfield CA: Knee pain. Hosp Pract 1984; 19(1):114a-114x.
13. Warfield CA, Dohlman LE. Intraspinal narcotics for pain control. Hosp Pract 1984; 19(2):148b-148p.
14. Trnka Y, Warfield CA. Chronic abdominal pain. Hosp Pract 1984; 19(3):201-209.
15. Proctor MR, Warfield CA. Biofeedback for pain control. Hosp Pract 1984; 19(4):104d-104m.
16. Warfield CA. The sympathetic dystrophies. Hosp Pract 1984; 19(5):52c-52j.
17. Warfield CA, Warfield GR. Postoperative analgesia. Hosp Pract 1984; 19(6):85-92.
18. Warfield CA, Warfield GR. Pain relief during surgery. Hosp Pract 1984; 19(7):157-158.
19. Bengston R, Warfield CA. Physical therapy for pain relief. Hosp Pract 1984; 19(8):84e-84s.
20. Oriol N, Warfield CA. Pain relief during labor. Hosp Pract 1984; 19(9):151-166.
21. Biber MP, Warfield CA. Headache. Hosp Pract 1984; 19(10):41-56.
22. O'Hare JA, Warfield CA. The diabetic neuropathies. Hosp Pract 1984; 19(11):41-52.
23. Reynolds D, Warfield CA. Endogenous opiates. Hosp Pract 1984; 19(12):34u-34x.
24. Warfield CA. Steroids and low back pain. Hosp Pract 1985; 20(1):32j-32r.
25. Covino N, Warfield CA: Hypnosis and the Management of pain. Hosp Pract 1985; 20(2):48g-48t.
26. Lichter E, Warfield CA. Pelvic pain syndrome. Hosp Pract 1985; 20(3):32e-32p.
27. Crews D, Warfield CA. Facial pain. Hosp Pract 1985; 20(4):171-179.

28. Warfield CA. Psychotropic agents for pain control: clinical guidelines. Hosp Pract 1985; 20(5):L141-143.
29. Lewinnek G, Warfield CA. Sciatica and backache: when to operate. Hosp Pract 1985; 20(6):166-176.
30. Warfield CA. Patient-controlled analgesia. Hosp Pract 1985; 20(7):32L-32P.
31. Nuzzo J, Warfield CA. Thalamic pain syndrome. Hosp Pract 1985; 20(8):32c-32j.
32. Gerhart T, Dohlman L, Warfield CA. Clinical diagnosis of shoulder pain. Hosp Pract 1985; 20(9):134-141.
33. Warfield CA. Pain and weather. Hosp Pract 1985; 20(10):34a-34b.
34. Taylor H, Warfield CA. Thermography of pain: Instrumentation and uses. Hosp Pract 1985; 20(11):164-169.
35. Kulich R, Warfield CA. Relaxation in the management of pain. Hosp Pract 1985; 20(12):117-121.
36. Dubuisson D, Warfield CA. Neurosurgical procedures for non-malignant pain. Hosp Pract 1986; 21(1):118m-118v.
37. Warfield CA. Meralgia paresthetica: causes and cures. Hosp Pract 1986; 21(2):40a-40l.
38. Warfield CA. Treating traumatic pain. Hosp Pract 1986; 21(3):48m-48t.
39. Dwarakanath GK, Warfield CA. The pathophysiology of acute pain. Hosp Pract 1986; 21(4):64g-64r.
40. Andrews DR, Warfield CA. Procedures used in the diagnosis of pain. Hosp Pract 1986; 21(5A):108-121.
41. Gorman ES, Warfield CA. The use of opioids in the management of pain. Hosp Pract 1986; 21(6):48a-48h.
42. Conway SR, Warfield CA. Traumatic neuralgias. Hosp Pract 1986; 21(7):44a-44g.
43. Borrelli EF, Warfield CA. Occupational therapy for chronic pain. Hosp Pract 1986; 21(8):36k-37.

44. Kine GD, Warfield CA. Myofascial pain syndrome. Hosp Pract 1986; 21(9):194B-196.
45. Gorman ES, Warfield CA. Epidural and spinal opioids. Hosp Pract 1986; 21(10A):13-30.
46. Sandrock NJG, Warfield CA. Managing the pain of herpes zoster. Hosp Pract 1986; 21(11):81-93.
47. Leckie RS, Warfield CA. Acupuncture for pain relief. Hosp Pract 1986; 21(12):36-41.
48. Nehme AM, Warfield CA. Cryoanalgesia: Freezing peripheral nerves. Hosp Pract 1987; 22(1A):71-77.
49. Gorman E, Warfield CA. Pain syndromes in musicians. Hosp Pract 1987; 22(2):6a-71.
50. Vernick DM, Warfield CA. Diagnosis and treatment of otalgia. Hosp Pract 1987; 22(3):54-56.
51. Foley JJ, Warfield CA. Selecting an appropriate NSAID. Hosp Pract 1987; 22(4):54-56.
52. Gorman ES, Warfield CA. The temporomandibular joint syndrome. Hosp Pract 1987; 22(5):134-142.
53. Covino NA, Warfield CA. Psychological testing of patients in pain. Hosp Pract 1987; 22(6):39-51.
54. Gorman ES, Warfield CA. Of pain, pain relief, and pain 'clinics'. Hosp Pract 1987; 22(7):136-141.
55. Gilbert R, Warfield CA. Neck pain. Hosp Pract 1987; 22(8):223-232.
56. Wood BT, Warfield CA. Foot pain. Hosp Pract 1987; 22(9a):107-122.
57. Warfield CA. Pharmacologic treatment of cancer pain. Hosp Pract 1987; 22(10):93-101.
58. Gorman ES, Warfield CA. The opioid-dependent patient with acute pain. Hosp Pract 1987; 22(11):113-119.

59. Kohrman BD, Warfield CA. Eye pain: Ocular and non-ocular causes. Hosp Pract 1987; 22(12):33-50.
60. Docken WP, Warfield CA. Rheumatologic causes of pain: Rheumatoid Arthritis. Hosp Pract 1988; 23(1):57-66.
61. Whitaker OC, Warfield CA. The measurement of pain. Hosp Pract 1988; 23(2):155-162.
62. Stabile MJ, Warfield CA. The pain of peripheral vascular disease. Hosp Pract 1988; 23(3):99-107.
63. Warfield CA. Nerve blocks for pain management. Hosp Pract 1988; 23(4):33-40.
64. Warfield CA. Pediatric pain management. Hosp Pract 1988; 235A:83-101.
65. Dubuisson D, Warfield CA. Neurosurgery for the pain of malignancy. Hosp Pract 1988; 23(6):41-60.
66. Uppington J, Warfield CA. Pain in the perineum, groin and genitalia. Hosp Pract 1988; 23(7):37-52.
67. Dwarakanath GK, Warfield CA. The pathophysiology of chronic pain. Hosp Pract 1988; 23(8):51-58.
68. Pusker S, Warfield CA. Analgesia for painful procedures. Hosp Pract 1988; 23(9):41-52.
69. Warfield CA. Facet syndrome and the relief of low back pain. Hosp Pract 1988; 23(10A):31-48.
70. Warfield CA. A history of pain relief. Hosp Pract 1988; 23(12):121-122.
71. Kahn CH, Warfield CA. The role of neurotransmitters in processing painful stimuli. Hosp Pract 1989; 24(1):165-170.
72. Kahn CH, Warfield CA. Orofacial Pain. Hosp Pract 1989; 24(2):247-271.
73. Raftis KL, Warfield CA. Spinal Manipulation for Back Pain. Hosp Pract 1989; 24(3):89-108.

74. Lin A, Warfield CA. Differentiating Causes of Chest Pain. *Hosp Pract* 1989; 24(4):43-57.
75. Warfield CA. Management of Postoperative Pain. *Hosp Pract* 1989; 24(5A):53-59.
76. Nation EM, Warfield CA. Pain in the elderly. *Hosp Pract* 1989; 24(7):113, 117-8.
77. Stabile MJ, Warfield CA. Two neuropathies of the upper extremities. *Hosp Pract* 1989; 34(9A):62, 65-6.
78. Stabile M, Warfield CA. Differential Diagnosis of Arm Pain. *Hosp Pract* 1990; 25(1):55-64.
79. Lewis M, Warfield CA. Management of Pain in a Patient with AIDS. *Hosp Pract* 1990; 25(10a):51-54.

(Review Articles - Other)

1. Warfield CA & Warfield GR, III. The postanesthetic recovery room. *Int. Anesth. Clin.* 1981; 19(2):63-75.
2. Biber M & Warfield CA. Headache. *Otolaryngo Clin N Am* 19(1):55-86.
3. Warfield CA. Intraspinal narcotics. *AORN* 1985; 41(5):910-914.
4. Warfield CA. Pain After Cardiothoracic Surgery. The Latest Options. *Cardiothoracic Nurse* 1986; 4(2):8-9.
5. Warfield, CA. Pain and Weather. *Agopuntura E Ttechniche Di Terapia Anatalgica* 1987; 5(1):47-50.
6. Warfield CA. Epidural steroids. *Agopuntura E Techniche Di Terapia Antalgica* 1987; V(2):53-59.
7. Warfield CA. Guidelines for the use of MS Contin in the Management of Cancer Pain. *Postgraduate Medical Journal* 1991; 67(S2):S9-S13.
8. Warfield CA. New Technologies in Pain Management. *ASA Newsletter* 1991; 55(4): 22-23.
9. Ferrel B, Cronin C, & Warfield CA. The Role of Patient-Controlled Analgesia in the Management of Cancer Pain. *Journal of Pain and Symptom Management* 1992; 7(3):149-154.

10. Warfield CA. Acute Pain: The How To's. Journal of Pain & Symptom Management 1993; Vol 8, No 2;3-4.
11. Warfield CA. Guidelines for Routine Use of Controlled-Release Oral Morphine Sulfate Tablets. Seminars in Oncology 1993; 20(2)S1:36-47.
12. Warfield CA. Pain. 1994 McGraw-Hill Yearbook of Science & Technology. New York: McGraw-Hill; 1994. p 286-287.
13. Warfield CA. Pain Management: How Are We Doing and How Do We Know? APS Journal 1995; 4(1):63-5.
14. Warfield CA. Pain Management: How well are we doing and how do we know? Pain Forum 1995; 4 (1):63-5.
15. Warfield CA. Guidelines for the Use of Controlled-Release Oral Morphine Sulfate Tablets in the Management of Cancer-Related Pain. Topics on Supportive Care in Oncology 1995; 2(15).
16. Warfield CA. Gaining Control Over the Pain of Cancer. Contemporary Internal Medicine 1996; 8(2),9-23.
17. Merrell J & Warfield CA. A Practical Approach to Pain Management in Patients with Cancer and AIDS. J Back and Muscskel Rehab 1996;7:103-6.
18. Warfield CA. Overview of The American Society of Regional Anesthesia Annual Meeting. Anesthesiology 1997; 87(6).
19. Warfield CA. Controlled Release Morphine Tablets in Chronic Cancer Pain: A Qualitative Systematic Review of Controlled Clinical Trials. Cancer 1998; 82(12):2299-2306.
20. Bajwa Z, Gupta S, Warfield CA, Steinman T: Pain Management in Polycystic Kidney Disease. Kidney International 2001;60,1631-4.
21. Warfield, CA: Initiatives for Better Pain Relief. Revista Medica 18(3): 198-201, 2007.
22. Warfield, CA. The Importance of Qualified Expert Witnesses. Pain Medicine 13 13, 739, 2012.
23. Warfield CA , &Kahn C. Acute pain management. Analgesic Digest (in press).

24. Warfield CA. Current and Emerging Issues in Cancer Pain: Research and Practice. Clin. J Pain, (in press).
25. Warfield CA. Opioids for Chronic Benign Pain. Canadian J. Clin. Pharm. (in press).
26. Warfield CA. Analgesic Options in the Treatment of Chronic Pain. Pain Medicine (in press)

Books, Monographs and Textbooks:

1. Stein JM, Warfield CA, editors. Pain Management. International Anesthesiology Clinics. Boston: Little, Brown and Co.; 1983.
2. Warfield CA, editor. Manual of Pain Management. Philadelphia: Lippincott; 1991.
3. Warfield CA, editor. Principles and Practice of Pain Management. New York: McGraw-Hill; 1993.

Italian Version:

- Warfield CA, editor. Trattamento del Dolore: Teoria e Practica. Milan: McGraw-Hill; 1994.
4. Warfield CA, Fausett H, editors. Manual of Pain Management. 2nd ed. Philadelphia: Lippincott, 2002.
 5. Warfield CA, section editor. Complications of Regional Anesthesia. In Textbook of Regional Anesthesia. P. Raj, ed. Churchill-Livingstone, NY, 2002.
 6. Rice A, Warfield CA, McGrath P, Justins D, editors. Clinical Pain Management. London: Arnold, 2003.
 7. Warfield CA, Bajwa Z, editors. Principles and Practice of Pain Management. 2nd ed. New York: McGraw-Hill, 2004.
 8. Warfield CA, Fausett H: Diagnostico y Tratamiento del Dolor. Barcelona, Masson, 2004.
 9. Warfield CA, Fausett H: Diagnosi e terapia del dolore edizione italiana di Cesare Bonezzi. Raffaello Cortina Editore, Milan, 2004.
 10. Warfield, CA, ed. Manual of Pain Management, 2nd edition.. (Chinese Version). Peoples Health Publishing, Beijing, 2005.
 11. Warfield CA, Bajwa Z. Principles and Practice of Pain Medicine (Chinese Version). Beijing, McGraw-Hill Asia, 2009.

12. Bajwa Z, Wootton J, and Warfield, CA editors. Principles and Practice of Pain Management. 3rd ed. New York: McGraw-Hill, in press, 2015.

Clinical Communications:

1. Warfield CA. Obturator neuropathy after forceps delivery. Obstet & Gyn 1984; 64(3):475-485.
2. Warfield CA. Epidural Steroids (letter). J Bone & Jt Surg. 1985; 67-A(6).
3. Warfield CA & Crews DA. The use of stellate ganglion blocks in the treatment of intractable limb pain in lung cancer. Clin. J. Pain 1987; 3(1):13-15.
4. Gilbert R & Warfield CA. Caudal Epidural Injections for the Management of Recto-sigmoid Cancer Pain. The Pain Clinic 1988; 2(3), 147.
5. Connelly M, Shagrin J, & Warfield CA. Epidural Opioids for the Management of Pain in a Patient with Guillain-Barre Syndrome. Anesthesiology 1990; 72(2):381-383.
6. Warfield, CA. Anesthesia and You. In: The Management of Pain. American Society of Anesthesiologists 1991; Park Ridge, IL. (pamphlet for distribution to patients)
7. Rozan JP, Kahn CH, & Warfield CA. Epidural and Intravenous Opioid-induced neuroexcitation. Anesthesiology 1995; 83:860-863.
8. Lehman L, Warfield C, & Bajwa Z. Migraine Headache following Stellate Ganglion Block for Reflex Sympathetic Dystrophy. Headache 1996; 36:335-337.
9. Dreskin S, Bajwa ZH, Lehmann LJ, Warfield CA. Polymyoclonus resulting from possible inadvertent subdural injection of local anesthetic [abstract]. Anesthesia & Analgesia 1997; 84(3): 692-3.
10. Bajwa Z, Sami N, Warfield CA, Wootton J: Topiramate relieves refractory intercostal neuralgia. Neurology 1999; 52 (9): 1917.
11. Bajwa Z, Ho C, Grush A, Kleefield J, Warfield CA: Discitis Associated with Pregnancy and Spinal Anesthesia. Anesthesia and Analgesia, 94 (2): 415-416, 2002.
12. Warfield, C. The Anesthesia Foundation as a Resource for Wellness. ASA Newsletter (72)7, July, 2008.

13. Warfield, C. The Anesthesia Foundation: 50 Years of Wellness. ASA Newsletter (73)7, August, 2009, 24-25.
14. Dohlman L and Warfield C: Pain Management in Developing Countries. ASA Newsletter 76(6), 18-20, 2012.
15. Warfield, CA. The Importance of Qualified Expert Witnesses. Pain Medicine 13, 739, 2012.

Nonprint Materials:

1. Warfield CA. New Techniques in Pain Management [videocassette]. St. Louis (MO): CMESat, Inc.; 1986.
2. Warfield CA. Relief from Herpes Zoster, Medical Outlook for Internists 4:3 [audiotape]; 1987.
3. Warfield CA, et al. Pre-Operative Assessment [videocassette used to teach ASA members]. Park Ridge (IL): American Society of Anesthesiologists; 1988.
4. Warfield, CA. Pain Management [videocassette]. Network for Continuing Medical Education; 1993.
5. Warfield, CA. Guidelines for Office Sedation and Analgesia. Network for Continuing Education, #736; June, 1998.
6. Hough SW, Bajwa ZH, Warfield CA. "Cancer Pain Syndromes I" in UpToDate – Bosow D (Editor-in-Chief). 1998-2013
7. Hough SW, Bajwa ZH, Warfield CA. "Cancer Pain Syndromes II" in UpToDate – Bosow D (Editor-in-Chief). 1998-2013
8. Hough SW, Bajwa ZH, Warfield CA. "Pharmacologic Treatment of Cancer Pain I" in UpToDate – Bosow D (Editor-in-Chief). 1998-2013
9. Hough SW, Bajwa ZH, Warfield CA. "Pharmacologic Treatment of Cancer Pain II" in UpToDate – Bosow D (Editor-in-Chief). 1998-2013
10. Crovo D, Bajwa ZH, Warfield CA. "Pain Associated with Herpes Zoster Infection" in UpToDate – Rose BD (Editor-in-Chief). 1998-2013
11. Hough SW, Bajwa ZH, Warfield CA. "Non-Pharmacologic Treatment of Cancer Pain I" in UpToDate – Bosow D (Editor-in-Chief). 1998-2013

12. Hough SW, Bajwa ZH, Warfield CA. "Non-Pharmacologic Treatment of Cancer Pain II" in UpToDate – Bosow D (Editor-in-Chief). 1998-2013
13. Bajwa ZH, Warfield CA, Wootton RJ. "Overview of the Treatment of Chronic Pain" in UpToDate – Bosow D (Editor-in-Chief). 1998-2013
14. Bajwa ZH, Shalmi CL, Warfield CA. "Definition, Pathogenesis, and Evaluation of Chronic Pain" in UpToDate – Bosow D (Editor-in-Chief). 1998-2013
15. Bajwa ZH, Crovo D, Warfield CA. "Postherpetic Neuralgia" in UpToDate – Bosow D (Editor-in-Chief). 2007-2013

Abstracts:

1. Antigua-Martinez M, Wootton J, Richeimer S, Ransil B, Warfield C, Bajwa Z. Effect of somatization on global pain impairment. Poster Presentation. 14th Annual Scientific Meeting of the American Pain Society; 1995; Los Angeles, California.
2. Bajwa ZH, Fishman SM, Richeimer SH, Rozan JP, Warfield CA. Intravenous Phenytoin may predict the analgesic efficacy of oral Phenytoin for intractable neuropathic pain. International Association for the Study of Pain. Poster Presentation. 8th World Congress on Pain; 1996; Vancouver, B.C., Canada.
3. Hacobian A, Kahn C, Picard L, Ransil B, Warfield CA. Treatment of Spinal Stenosis with Epidural Steroid Injections: An Outcome Study [abstract]. Reg Anesth 1995;20(2S):128.
4. Richeimer S, Bajwa Z, Kahramen S, Warfield CA. Impact of Side Effects on Treatment with Tricyclic Antidepressants in a Multidisciplinary Pain Clinic [abstract]. Reg Anesth 1995;20(2S):137.
5. Bajwa ZH, Park R, Song M, Peeters-Asdourian C, Warfield CA. Complications of cervical epidural steroid injections. Poster Presentation. 22nd Annual Scientific Meeting of the American Society of Regional Anesthesia; 1997; Atlanta, Georgia.
6. Horlocker T, Bajwa Z, Warfield CA, Powers N, Sami N, Wilson J, Peeters-Asdourian C, Schroeder D: Risk Assessment of Neurologic Complications Associated with Antiplatelet Therapy in Ambulatory Pain Clinic Patients Undergoing Epidural Steroid Injection. [abstract] Reg Anesthesia 2000.25(2):28.
7. Bailin M, Gelman S, Hickey P, Warfield CA & Zapol W. An Electronic Authorship Methodology to Improve Teaching and Learning in Anesthesia Education. [abstract] Society for Education in Anesthesia, 2002.

Presentations

Numerous local, regional, national and international presentations.